

## Information for File 2005-1280-JJY

**Project Name:** MnDOT TH 41 Bridge Reconstruction and MDNR Trail Connector Link

**Applicant:** Minnesota Department of Transportation (Martin Korthank, Water Resources Project Manager), 1500 West County Road B2, Roseville, MN 55113, 651-634-2411.

**Corps Contact:** Joe Yanta, Regulatory Branch, Corps of Engineers, 190 East Fifth Street, St. Paul, MN 55101-1638, 651-290-5362

**E-Mail:** [joseph.j.yanta@mvp02.usace.army.mil](mailto:joseph.j.yanta@mvp02.usace.army.mil)

**Primary City/County/State:** Chaska, Carver County, and Shakopee, Scott County, Minnesota

**Section/Township/Range:** Sections 9 and 10, T. 115 N., R. 22 W.

**UTM Coordinates:** East 452645, North 4958927 (west end of trail at bridge); East 453920, North 4958781 (east end of trail).

**Decimal Degrees:** Latitude 44.78217, Longitude -93.59857 (west end); Latitude 44.78094, Longitude -93.58244 (east end)

**Information Complete On:** March 10, 2005

**Posting Expires On:** April 9, 2005

**Authorization Type:** LOP B

**Project:** The proposed project includes a reconstruction of the existing Trunk Highway 41 bridge across the Minnesota River, with collateral fill (0.11) in adjacent wetlands and the river plus wetland fill (0.6 acre) for construction of a trail link from the bridge to existing Minnesota Department of Natural Resources trails. The applicant proposes to fill 0.11 of acre of seasonally-flooded emergent vegetation wetland for the bridge and 0.6 acre of semipermanently flooded shallow marsh wetland in four areas for the trail. The bridge fill involves an area dominated by reed canary grass and sedges. The trail fill involves areas dominated primarily by sedges, rushes, and cattails, although one area is also dominated by invasive reed canary grass. These wetlands are all adjacent to the Minnesota River, a navigable water of the United States.

The existing two-lane bridge needs to be reconstructed as a four-lane bridge to meet existing and future needs. (MnDOT is studying a new crossing of the Minnesota River in this area, to meet even greater future transportation needs, but that study is anticipated to take years and a new bridge may not be constructed for 20 years or more.) The applicant has provided a more detailed discussion of the avoidance-minimization-mitigation sequencing analysis. The trail construction is necessary to complete a link that was broken when the old railroad swing bridge previously used as a trail link failed several years ago.

As compensatory mitigation for the proposed impact, the applicant proposes to use 0.7 acre of wetland credit from an existing MnDOT mitigation bank (Cheri Ponds in Carver County) and 0.7 acre of credit from the Wetland G site in Scott County. Both of these sites are shallow marsh wetland similar to the affected wetland, and they are in the metropolitan area bank service area, in the same two counties of the project area.

**Drawings:** See the enclosed maps and plans for more information.

MINN. PROJ. NO. BR. 7028 (06-4)

# MINNESOTA DEPARTMENT OF TRANSPORTATION MINNESOTA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION PLAN FOR MINNESOTA VALLEY RIVER FLAT TRAIL, BITUMINOUS SURFACING, GRADUING & BR. NO. 7028  
LOCATED ON SOUTH SIDE, MINNESOTA RIVER FROM I.H. 41 TO EXISTING TRAIL

GOVERNING SPECIFICATIONS  
THE STANDARD SPECIFICATIONS FOR THE MINNESOTA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL APPLY.

## INDEX

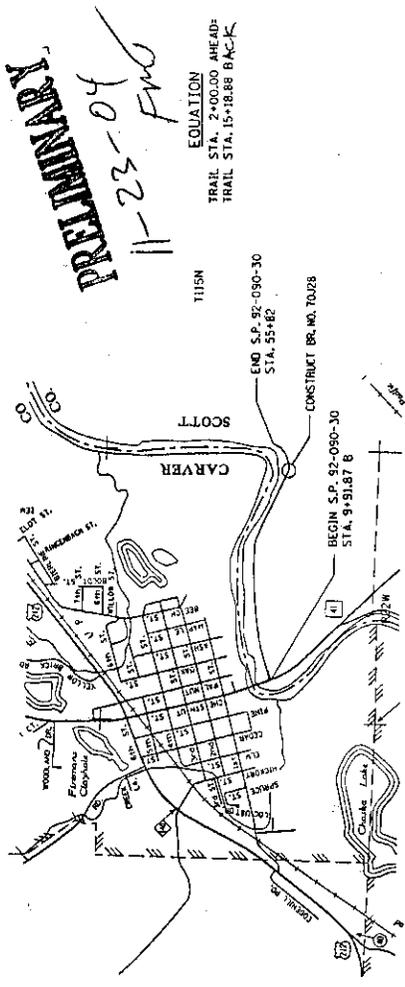
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	GENERAL LAYOUT
4	ESTIMATED QUANTITIES & TABULATIONS
5	TYPICAL SECTION
6	ALIGNMENT AND SUPERELEVATION TABULATION
7	TEMPORARY EROSION CONTROL
8	PERMANENT EROSION CONTROL
9-13	CONSTRUCTION PLAN & PROFILE
14	CULVERT GENERAL PLAN - BR. NO. 7028
15	CULVERT SURVEY - BR. NO. 7028
16-18	PRECAST BOX CULVERT DETAILS - BR. NO. 7028
19-24	CROSS SECTIONS

THIS PLAN CONTAINS 24 SHEETS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NOTE:  
THE EXACT LOCATION OF UNDERGROUND GAS, TELEPHONE, FIBROPTIC, ELECTRIC, CABLE TV AND PIPE LINES ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT Gopher STATE ONE CALL BEFORE COMMENCING EXCAVATION.

STATE PROJ. NO. 6049 FEET ..... 1.15 MILES  
GROSS LENGTH ..... 11.33 FEET ..... 0.002 MILES  
BRIDGE LENGTH ..... 6049 FEET ..... 1.15 MILES  
EXCEPTIONS-LENGTH ..... 6049 FEET ..... 1.15 MILES  
NET LENGTH ..... TO REF. POINT



**PRELIMINARY**  
11-23-04  
FMO

PLAN 1" = 100 FT.  
PROFILE 1" = 10 FT.  
INDEX MAP 1" = 1000 FT.  
GENERAL LAYOUT 1" = 100 FT.

DESIGN DESIGNATION  
Design Speed 20 MPH  
Based on Stopping Sight Distance  
Height of eye 5.5 - Height of object 0.0  
Design Speed not achieved at:  
STA. 10 STA. 10 STA.  
STA. 10 STA. 10 STA.

DESIGNATION  
A01 (Current Year)  
A02 (Future Year)  
R01 (Design Hr. Vol.)  
D (Directional Distr.)  
I (Heavy Commercial)

DATE	PLAN REVISIONS	APPROVED BY

FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL  
STATE PROJ. NO. CHARGE IDENTIFIER

PROJECT LOCATION  
COUNTY : SCOTT  
DISTRICT :



DATE LIC. NO. ENGR. 20  
RECOMMENDED FOR APPROVAL ENR. DIRECTOR OF TRAIL & WATERWAYS 20  
METRO DISTRICT STATE AID ENGINEER REVIEWED FOR COMPLIANCE WITH THE STATE AID FEDERAL AID RELIEF-POLICY 20  
STATE AID ENGINEER APPROVED FOR FEDERAL AID FUNDING 20  
RECOMMENDED FOR APPROVAL 20  
RECOMMENDED FOR APPROVAL 20  
RECOMMENDED FOR APPROVAL 20  
OFFICE OF LAW MANAGER APPROVAL 20  
APPROVED 20 ENR. ENGINEERING

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS IF ANY OF THIS PLAN WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
ENGINEER LIC. NO.  
DATE

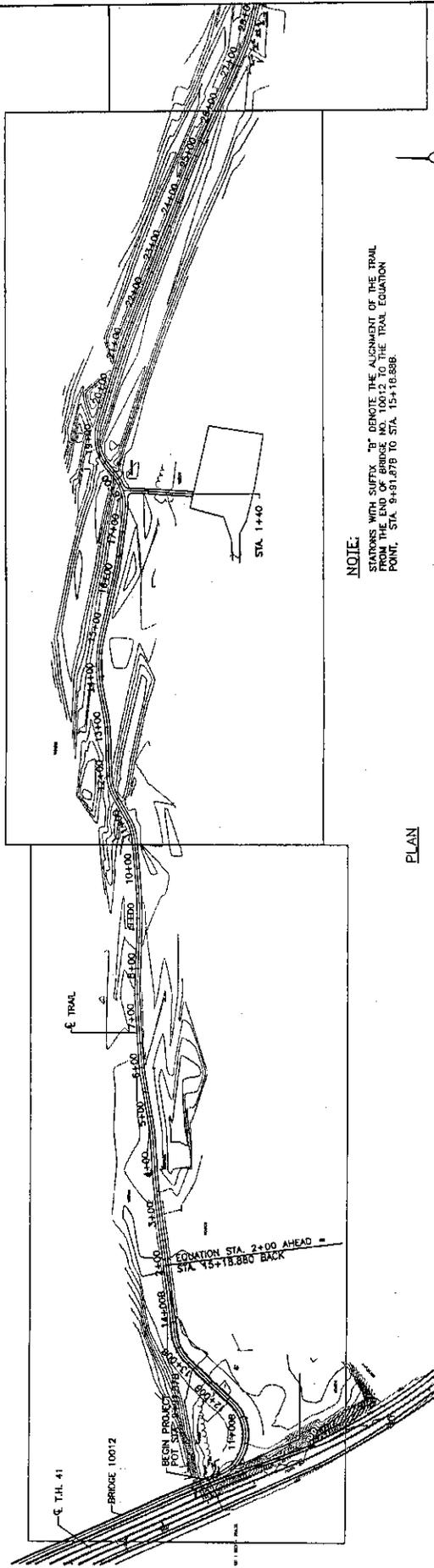
STATE PROJ. NO. 92-090-30 SHEET NO. 1 OF 24 SHEETS

2005-1280-July, 1 of 7



SHEET 9

SHEET 10



NOTE:  
 STATIONS WITH SUFFIX "B" DENOTE THE ALIGNMENT OF THE TRAIL  
 FROM THE END OF BRIDGE NO. 10012 TO THE TRAIL EQUATION  
 POINT. STA. 9+91.878 TO STA. 15+18.888.

PLAN

PRELIMINARY

11-23-07

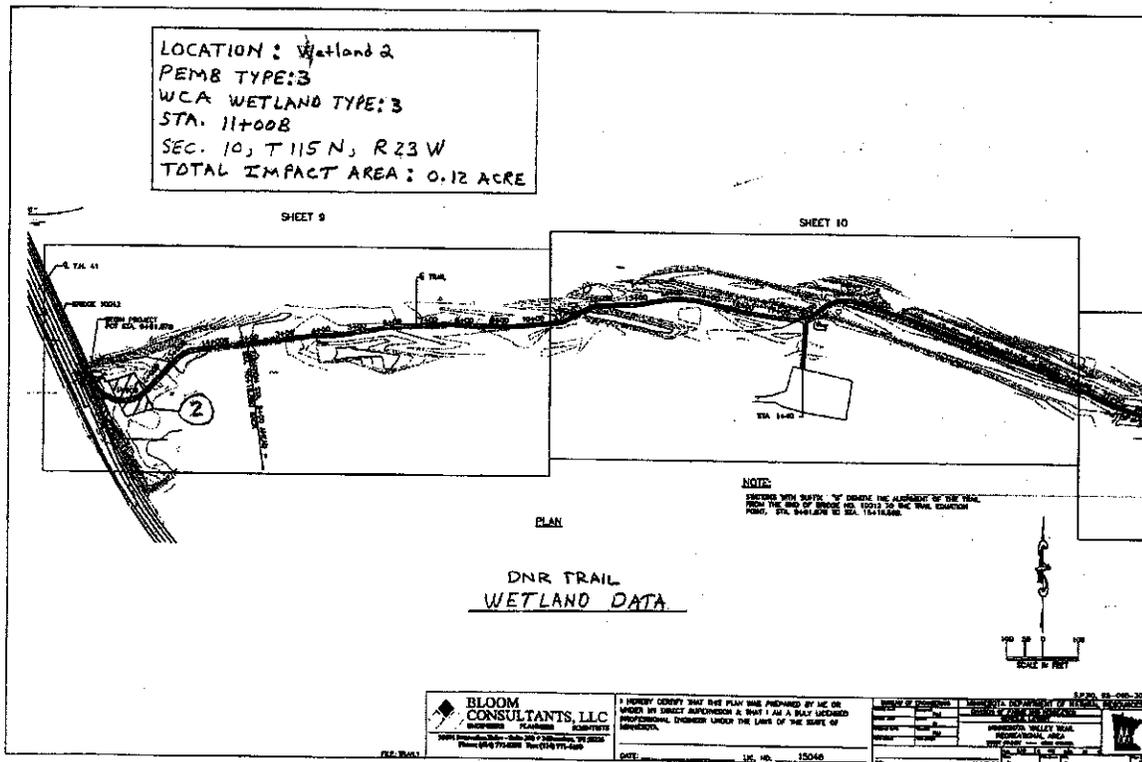
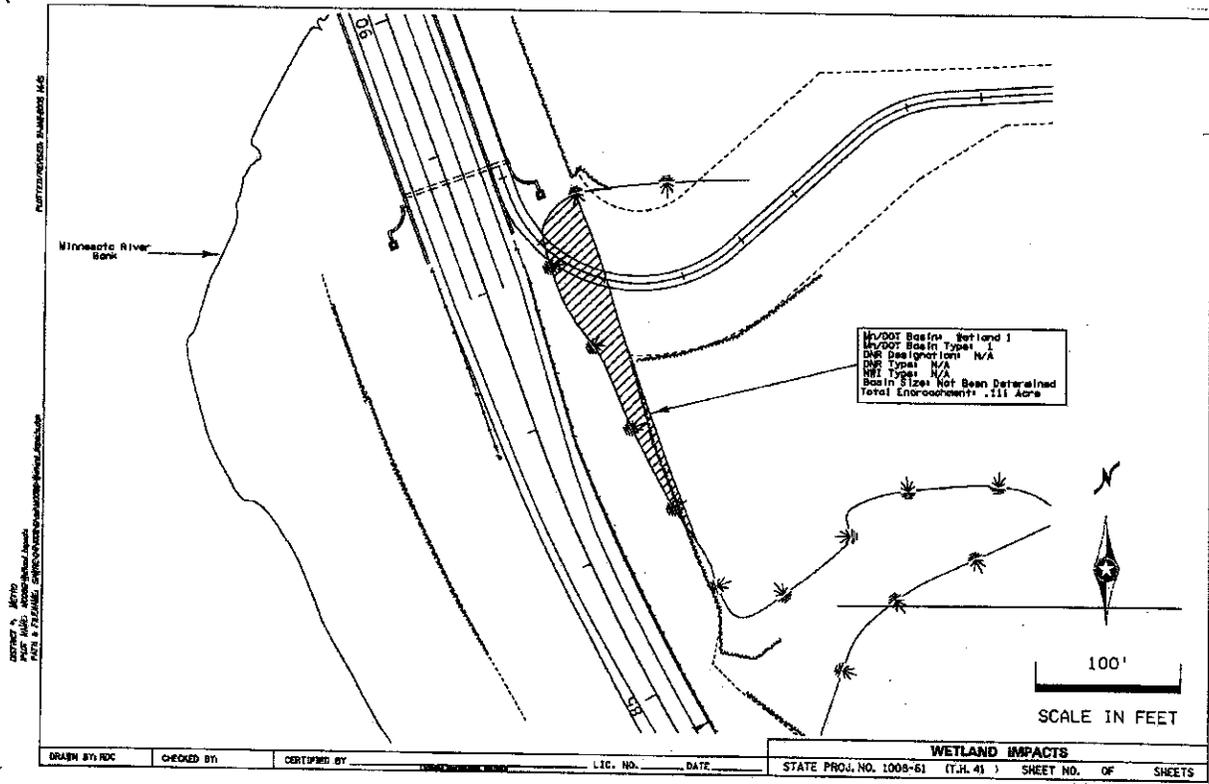


<b>BLOOM CONSULTANTS, LLC</b> ENGINEERS PLANNERS SCIENTISTS 10002 Inverwood Drive, Suite 200 • Minneapolis, MN 55426 Phone: (414) 771-3390 Fax: (414) 771-4490		I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION & THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	
DATE: _____		L.C. NO. 15048	
FILE: TRAIL		MINNESOTA DEPARTMENT OF NATURAL RESOURCES DIVISION OF PARKS AND RECREATION MINNESOTA VALLEY TRAIL RECREATIONAL AREA SCOTT COUNTY, WISCONSIN	

2005-1280-VJY 3 of 7



**APPENDIX A  
Wetland Impacts**



2005-1280-JJY, 5 of 7



